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**TRANSMITTAL  
FORM***(to be used for all correspondence after initial filing)*

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/600,201	
	Filing Date	June 20, 2003	
	First Named Inventor	Vladimir Slepnev	
	Group Art Unit	1637	
	Examiner Name	Bertagna, Angela Marie	
Total Number of Pages in This Submission	19	Attorney Docket Number	046264-065331

**ENCLOSURES** *(check all that apply)*

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below)</i> :  Certificate of Mailing (1 pg.); Return Receipt Postcard.
Remarks		<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 50-0850 for the above identified docket number.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Nixon Peabody LLP / Mark J. FitzGerald (Reg. No. 45,928)
Signature	
Date	April 23, 2007

**CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]**

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Practitioner's Docket No. 046264-065331

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re application of: Vladimir Slepnev                      Confirmation No.: 5135  
Application No.: 10/600,201                      Group No.: 1637  
Filed: June 20, 2003                      Examiner: Bertagna, Angela Marie  
For: METHODS OF DETECTING SEQUENCE DIFFERENCES

**MAIL STOP AMENDMENT**

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Hillary E. Allan  
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Hillary E. Allan  
(type or print name of person certifying)



Attorney Docket No. 046264-065331  
(Formerly 19781/2042)  
Date of Deposit: April 23, 2007

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Vladimir I. Slepnev

Application No.: 10/600,201

Confirmation No.: 5135

Filed: June 20, 2003

Art Unit: 1637

For: METHODS OF DETECTING SEQUENCE  
DIFFERENCES

Examiner: A. M. Bertagna

**RESPONSE TO OFFICE COMMUNICATION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Communication dated April 10, 2007, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are shown in the **Listing of the Claims** begins on page 2 of this paper. The amendments add no new matter.

**Remarks/Arguments** begin on page 16 of this paper.

Kindly enter the following amendments and remarks.